BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item No. 02		Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per specifications and as per the direction of Engineer in charge of the work.							
		sonnegowda layout							
		opp Bhavya harmony apartment road							
		rhs							
0	30		Cum	1	30.00	0.50	0.45	6.75	
30	60		Cum	1	30.00	0.50	0.45	6.75	
60	90		Cum	1	30.00	0.50	0.45	6.75	
90	120		Cum	1	30.00	0.50	0.45	6.75	
120	150		Cum	1	30.00	0.60	0.45	8.10	
150	159		Cum	1	9.00	0.60	0.45	2.43	
		Near bhavya harmony apartment							
		Lhs							
0	30		Cum	1	30.00	0.50	0.45	6.75	
30	55		Cum	1	25.00	0.50	0.45	5.63	
		c/s road behind Parikrama school							
		Left side drain							
0	30		Cum	1	30.00	0.60	0.70	12.60	
30	60		Cum	1	30.00	0.60	0.70	12.60	
60	90		Cum	1	30.00	0.60	0.65	11.70	
90	120		Cum	1	30.00	0.60	0.65	11.70	
120	141		Cum	1	21.00	0.60	0.70	8.82	
141	150		Cum	1	9.00	0.60	0.70	3.78	
		right side drain							
0	30		Cum	1	30.00	0.60	0.70	12.60	
30	60		Cum	1	30.00	0.60	0.70	12.60	
60	90		Cum	1	30.00	0.60	0.70	12.60	
90	120		Cum	1	30.00	0.60	0.70	12.60	
120	141		Cum	1	21.00	0.60	0.70	8.82	
141	150		Cum	1	9.00	0.60	0.70	3.78	
		K.M.Narayanappa layout 1 cross							
		Left side drain							

Contractor PMC Assistant Engineer 20/6 Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

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BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
0	15		Cum	1	15.00	0.50	0.45	3.38	
15	30		Cum	1	15.00	0.50	0.45	3.38	
30	45		Cum	1	15.00	0.50	0.45	3.38	
45	60		Cum	1	15.00	0.50	0.45	3.38	
60	75		Cum	1	15.00	0.50	0.45	3.38	
75	90		Cum	1	15.00	0.50	0.45	3.38	
90	103.7		Cum	1	13.70	0.50	0.45	3.08	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
0	15		Cum	1	15.00	0.50	0.45	3.38	
15	30		Cum	1	15.00	0.50	0.45	3.38	
30	45		Cum	1	15.00	0.50	0.45	3.38	
45	60		Cum	1	15.00	0.50	0.45	3.38	
60	75		Cum	1	15.00	0.50	0.45	3.38	
75	90		Cum	1	15.00	0.50	0.45	3.38	
90	96.5		Cum	1	6.50	0.50	0.45	1.46	
		culvert							
0	6		Cum	2	6.00	2.00	1.00	24.00	
							TOTAL	**243.15**	

KBR INFRATECH LIMITED BANGALORE
Contractor

PMC

Assistant Engineer 30/6

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.04		KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)							
		bed concrete	cum						
		Culvert							
0	6		cum	2	6.00	2.00	0.15	3.60	
		approach slope concrete for culvert							
0	6		cum	4	6.00	0.75	0.10	1.80	
							TOTAL	**5.40**	
Item no 10		Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)							
		Balaji layout							
		K.M.Narayanappa layout 1							
		left side drain							
0	9		Sqm	1	9.00	1.35		12.15	
21	28		Sqm	1	7.00	1.35		9.45	
32	40		Sqm	1	8.00	1.35		10.80	
42	48		Sqm	1	6.00	1.35		8.10	
60	65		Sqm	1	5.00	1.35		6.75	
85	91.47		Sqm	1	6.47	1.35		8.73	
		K.M.Narayanappa layout 2							
		left side drain							
12	21		Sqm	1	9.00	1.35		12.15	
32	40		Sqm	1	8.00	1.35		10.80	
55	62		Sqm	1	7.00	1.35		9.45	
67	73		Sqm	1	6.00	1.35		8.10	
79	87.6		Sqm	1	8.60	1.35		11.61	
							TOTAL	**108.09**	

KBR INFRATECH LIMITED BANGALORE
Contractor

RUDRAPRASAD CONSULTANTS BANGALORE PMC

Assistant Engineer 2/7

Assistant Executive Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no. 11		Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.1 of PW, P&IWTD SR 2016-17)							
		opp Bhavya harmony apartment road							
		RHS							
0	30		sqm	1	30.00	1.35		40.50	
30	60		sqm	1	30.00	1.35		40.50	
60	90		sqm	1	30.00	1.35		40.50	
90	120		sqm	1	30.00	1.35		40.50	
120	150		sqm	1	30.00	1.35		40.50	
150	159		sqm	1	9.00	1.35		12.15	
		Near bhavya harmony apartment							
		Lhs							
0	30		sqm	1	30.00	1.35		40.50	
30	55		sqm	1	25.00	1.35		33.75	
		c/s road behind Parikrama school							
		left hand side							
0	30		sqm	1	30	1.35		40.50	
30	60		sqm	1	30	1.35		40.50	
60	90		sqm	1	30	1.35		40.50	
90	120		sqm	1	30	1.35		40.50	
120	141		sqm	1	21	1.35		28.35	
141	150		sqm	1	9	1.35		12.15	
		Right hand side							
0	30		sqm	1	30	1.35		40.50	
30	60		sqm	1	30	1.35		40.50	
60	90		sqm	1	30	1.35		40.50	
90	120		sqm	1	30	1.35		40.50	
120	141		sqm	1	21	1.35		28.35	
141	150		sqm	1	9	1.35		12.15	
							TOTAL	**693.90**	

KBR INFRATECH LIMITED BANGALORE

Contractor

HUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer 5/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.12		KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2016-17)							
		SSM Wall	cum						
		Culvert							
0	6		cum	4	6.00	0.60	0.80	11.52	✓
							TOTAL	**11.52**	✓

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no.13		KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)							
		SSM Wall							
		Culvert							
0	6		sqm	4	6.00		0.80	19.20	
							TOTAL	**19.20**	

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.14		KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)							
		coping							
		Culvert							
0	6		cum	4	6.00	0.60	0.10	1.44	
							TOTAL	**1.44**	

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.15		KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW,P&IWTD S.R 2016-17)							
		Road Portion							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		cum	1	30.00	5.55	0.23	38.30	
30	60		cum	1	30.00	4.90	0.23	33.81	
60	90		cum	1	30.00	4.65	0.23	32.09	
90	120		cum	1	30.00	5.05	0.23	34.85	
120	150		cum	1	30.00	5.20	0.23	35.88	
150	159		cum	1	9.00	5.60	0.23	11.59	
		c/s road near Parikrama school							
0	6		cum	1	6	1.20	0.23	1.66	
12	15		cum	1	3	1.20	0.23	0.83	
26	30.5		cum	1	4.5	1.20	0.23	1.24	
		c/s road behind Parikrama school							
0	30		cum	1	30	5.10	0.23	35.19	
30	60		cum	1	30	4.90	0.23	33.81	
60	90		cum	1	30	4.80	0.23	33.12	
90	120		cum	1	30	4.75	0.23	32.78	
120	141		cum	1	21	4.35	0.23	21.01	
141	150		cum	1	9	3.45	0.23	7.14	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		Cum	1	15.00	2.20	0.23	7.59	
30	42		Cum	1	12.00	2.00	0.23	5.52	
85	94		Cum	1	9.00	2.00	0.23	4.14	
		K.M.Narayanappa layout 2 cross							

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Left side drain							
26	35		Cum	1	9.00	2.20	0.23	4.55	
45	55		Cum	1	10.00	2.00	0.23	4.60	
75	86		Cum	1	11.00	2.20	0.23	5.57	
							TOTAL	385.25	

KBR INFRATECH LIMITED BANGALORE

Contractor

RUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer 10/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.16		KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD SR 2016-17)							
		Road Portion							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		cum	1	30.00	5.55	0.23	38.30	
30	60		cum	1	30.00	4.90	0.23	33.81	
60	90		cum	1	30.00	4.65	0.23	32.09	
90	120		cum	1	30.00	5.05	0.23	34.85	
120	150		cum	1	30.00	5.20	0.23	35.88	
150	159		cum	1	9.00	5.60	0.23	11.59	
		c/s road near Parikrama school							
0	6		cum	1	6	1.20	0.23	1.66	
12	15		cum	1	3	1.20	0.23	0.83	
26	30.5		cum	1	4.5	1.20	0.23	1.24	
		c/s road behind Parikrama school							
0	30		cum	1	30	5.10	0.23	35.19	
30	60		cum	1	30	4.90	0.23	33.81	
60	90		cum	1	30	4.80	0.23	33.12	
90	120		cum	1	30	4.75	0.23	32.78	
120	141		cum	1	21	4.35	0.23	21.01	
141	150		cum	1	9	3.45	0.23	7.14	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		Cum	1	15.00	2.20	0.23	7.59	
30	42		Cum	1	12.00	2.00	0.23	5.52	
85	94		Cum	1	9.00	2.00	0.23	4.14	
		K.M.Narayanappa layout 2 cross							
		Left side drain							

Contractor PMC Assistant Engineer 12/7 Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
26	35		Cum	1	9.00	2.20	0.23	4.55	
45	55		Cum	1	10.00	2.00	0.23	4.60	
75	86		Cum	1	11.00	2.20	0.23	5.57	
							TOTAL	385.25	

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.17		KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications and as per the direction of Engineer in charge of the work.							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		sqm	1	30.00	5.55		166.50	
30	60		sqm	1	30.00	4.90		147.00	
60	90		sqm	1	30.00	4.65		139.50	
90	120		sqm	1	30.00	5.05		151.50	
120	150		sqm	1	30.00	5.20		156.00	
150	159		sqm	1	9.00	5.60		50.40	
		c/s road near Parikrama school							
0	6		sqm	1	6	1.20		7.20	
12	15		sqm	1	3	1.20		3.60	
26	30.5		sqm	1	4.5	1.20		5.40	
		c/s road behind Parikrama school							
0	30		sqm	1	30	5.10		153.00	
30	60		sqm	1	30	4.90		147.00	
60	90		sqm	1	30	4.80		144.00	
90	120		sqm	1	30	4.75		142.50	
120	141		sqm	1	21	4.35		91.35	
141	150		sqm	1	9	3.45		31.05	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		sqm	1	15.00	2.20		33.00	
30	42		sqm	1	12.00	2.00		24.00	
85	94		sqm	1	9.00	2.00		18.00	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
26	35		sqm	1	9.00	2.20		19.80	

Contractor

PMC

Assistant Engineer 16/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
45	55		sqm	1	10.00	2.00		20.00	
75	86		sqm	1	11.00	2.20		24.20	
							TOTAL	1675.00	

KBR INFRATECH LIMITED BANGALORE

Contractor

RAJAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.18		Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.							
		Sonnegowda layout							
		c/s road near Parikrama school							
0	30		sqm	1	30	4.20		126.00	
30	45		sqm	1	15	4.20		63.00	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		sqm	1	15.00	5.45		81.75	
15	30		sqm	1	15.00	4.95		74.25	
30	45		sqm	1	15.00	4.55		68.25	
45	60		sqm	1	15.00	4.50		67.50	
60	75		sqm	1	15.00	4.65		69.75	
75	90		sqm	1	15.00	5.00		75.00	
90	103.7		sqm	1	13.70	5.20		71.24	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
0	15		sqm	1	15.00	4.65		69.75	
15	30		sqm	1	15.00	4.35		65.25	
30	45		sqm	1	15.00	4.20		63.00	
45	60		sqm	1	15.00	3.95		59.25	
60	75		sqm	1	15.00	4.10		61.50	
75	90		sqm	1	15.00	4.20		63.00	
90	96.5		sqm	1	6.50	4.05		26.33	
							Total	**1104.8**	
		deduct prime coat	sqm					**155.20**	
							Total	**949.6**	

KBR INFRATECH LIMITED BANGALORE

Contractor

PMC

SUHAPRASAD CONSULTANTS BANGALORE

Assistant Engineer 21/7

Assistant Executive Engineer

Assistant Executive Engr

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
item no.19		Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the direction of Engineer in charge of the work.							
		For Laying DBM							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		sqm	1	30.00	5.55		166.50	
30	60		sqm	1	30.00	4.90		147.00	
60	90		sqm	1	30.00	4.65		139.50	
90	120		sqm	1	30.00	5.05		151.50	
120	150		sqm	1	30.00	5.20		156.00	
150	159		sqm	1	9.00	5.60		50.40	
		c/s road near Parikrama school							
0	4		sqm	1	4	1.20		4.80	
12	15		sqm	1	3	1.20		3.60	
26	30.5		sqm	1	4.5	1.20		5.40	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		sqm	1	15.00	2.20		33.00	
30	42		sqm	1	12.00	2.00		24.00	
85	94		sqm	1	9.00	2.00		18.00	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
26	35		sqm	1	9.00	2.20		19.80	
45	55		sqm	1	10.00	2.00		20.00	
75	86		sqm	1	11.00	2.20		24.20	
		For Laying BC							
		opp Bhavya harmony apartment road							
		RHS							
0	30		sqm	1	30.00	5.55		166.50	

KBR INFRATECH LIMITED BANGALORE

Contractor

PMC

RUSHIRASAD CONSULTANTS BANGALORE

Assistant Engineer 21/7

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
30	60		sqm	1	30.00	4.90		147.00	
60	90		sqm	1	30.00	4.65		139.50	
90	120		sqm	1	30.00	5.05		151.50	
120	150		sqm	1	30.00	5.20		156.00	
150	159		sqm	1	9.00	5.60		50.40	

Contractor PMC Assistant Engineer Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		c/s road near Parikrama school							
0	30		sqm	1	30	4.20		126.00	
30	45		sqm	1	15	4.20		63.00	
		c/s road behind Parikrama school							
0	30		sqm	1	30	5.10		153.00	
30	60		sqm	1	30	4.90		147.00	
60	90		sqm	1	30	4.80		144.00	
90	120		sqm	1	30	4.75		142.50	
120	141		sqm	1	21	4.35		91.35	
141	150		sqm	1	9	3.45		31.05	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		sqm	1	15.00	5.45		81.75	
15	30		sqm	1	15.00	4.95		74.25	
30	45		sqm	1	15.00	4.55		68.25	
45	60		sqm	1	15.00	4.50		67.50	
60	75		sqm	1	15.00	4.65		69.75	
75	90		sqm	1	15.00	5.00		75.00	
90	103.7		sqm	1	13.70	5.20		71.24	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
0	15		sqm	1	15.00	4.65		69.75	
15	30		sqm	1	15.00	4.35		65.25	
30	45		sqm	1	15.00	4.20		63.00	
45	60		sqm	1	15.00	3.95		59.25	
60	75		sqm	1	15.00	4.10		61.50	
75	90		sqm	1	15.00	4.20		63.00	
90	96.5		sqm	1	6.50	4.05		26.33	
							Total	**3588.32**	

KBR INFRATECH LIMITED BANGALORE

Contractor

PMC

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.20		KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		cum	1	30.00	5.55	0.05	8.33	
30	60		cum	1	30.00	4.90	0.05	7.35	
60	90		cum	1	30.00	4.65	0.05	6.98	
90	120		cum	1	30.00	5.05	0.05	7.58	
120	150		cum	1	30.00	5.20	0.05	7.80	
150	159		cum	1	9.00	5.60	0.05	2.52	
		c/s road near Parikrama school							
0	30		cum	1	30	4.20	0.05	6.30	
30	45		cum	1	15	4.20	0.05	3.15	
		c/s road behind Parikrama school							
0	30		cum	1	30	5.10	0.05	7.65	
30	60		cum	1	30	4.90	0.05	7.35	
60	90		cum	1	30	4.80	0.05	7.20	
90	120		cum	1	30	4.75	0.05	7.13	
120	141		cum	1	21	4.35	0.05	4.57	
141	150		cum	1	9	3.45	0.05	1.55	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		cum	1	15.00	2.20	0.05	1.65	
30	42		cum	1	12.00	2.00	0.05	1.20	
85	94		cum	1	9.00	2.00	0.05	0.90	
		K.M.Narayanappa layout 2 cross							
		Left side drain							
26	35		cum	1	9.00	2.20	0.05	0.99	
45	55		cum	1	10.00	2.00	0.05	1.00	
75	86		cum	1	11.00	2.20	0.05	1.21	

Contractor PMC Assistant Engineer 18/7 Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
							TOTAL	92.39	

KBR INFRATECH LIMITED BANGALORE
Contractor

RUKMAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no. 21		KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)							
		Sonnegowda layout							
		opp Bhavya harmony apartment road							
		RHS							
0	30		cum	1	30.00	5.55	0.04	6.66	
30	60		cum	1	30.00	4.90	0.04	5.88	
60	90		cum	1	30.00	4.65	0.04	5.58	
90	120		cum	1	30.00	5.05	0.04	6.06	
120	150		cum	1	30.00	5.20	0.04	6.24	
150	159		cum	1	9.00	5.60	0.04	2.02	
		c/s road near Parikrama school							
0	30		cum	1	30	4.20	0.04	5.04	
30	45		cum	1	15	4.20	0.04	2.52	
		c/s road behind Parikrama school							
0	30		cum	1	30	5.10	0.04	6.12	
30	60		cum	1	30	4.90	0.04	5.88	
60	90		cum	1	30	4.80	0.04	5.76	
90	120		cum	1	30	4.75	0.04	5.70	
120	141		cum	1	21	4.35	0.04	3.65	
141	150		cum	1	9	3.45	0.04	1.24	
		K.M.Narayanappa layout 1 cross							
		Left side drain							
0	15		Cum	1	15.00	5.45	0.04	3.27	
15	30		Cum	1	15.00	4.95	0.04	2.97	
30	45		Cum	1	15.00	4.55	0.04	2.73	
45	60		Cum	1	15.00	4.50	0.04	2.70	
60	75		Cum	1	15.00	4.65	0.04	2.79	
75	90		Cum	1	15.00	5.00	0.04	3.00	
90	103.7		Cum	1	13.70	5.20	0.04	2.85	

Contractor PMC Assistant Engineer 2/7 Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage		Description of Item	Unit	No	Length	Breadt	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		K.M.Narayanappa layout 2 cross							
		Left side drain							
0	15		Cum	1	15.00	4.65	0.04	2.79	
15	30		Cum	1	15.00	4.35	0.04	2.61	
30	45		Cum	1	15.00	4.20	0.04	2.52	
45	60		Cum	1	15.00	3.95	0.04	2.37	
60	75		Cum	1	15.00	4.10	0.04	2.46	
75	90		Cum	1	15.00	4.20	0.04	2.52	
90	96.5		Cum	1	6.50	4.05	0.04	1.05	
							TOTAL	**104.98**	

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

PACKAGE-5

NAME OF WORK:-Package-5, includes 4 works of Rs.170 Lakhs 1)Reasphalting to main and cross roads at B,Cand D Blocks of Sahakaranagara in ward no 8 Kodigehalli 2)Improvements to Roads and Drains at Devinagar and Lottegollahalli in Ward No 08 Kodigehalli 3)Improvements to roads and drains at Balaji layout and Surroundings in ward no 08 Kodigehalli 4)Providing and Laying new Road at Sonnegowda Layout and Surroundings in ward no 08Kodigehalli

Agency:M/s KBR Infratech Limited, #01, 1st Floor, 8th Main, RMV Extn IInd Stage, Tatanagara, Bangalore -560094

Measurements Taken On :

MEASUREMENT SHEET - 1st and PART BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadt (m)	Depth (m)	Quantity	Remarks
Item no.22		KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803.(P.No.185, I.No.24.15 of PW,P&IWTD SR 2016-17)							
		opp Bhavya harmony apartment road							
		RHS							
		centre line							
0	159		sqm	0.5	159.00	0.15		11.93	✓
		c/s road near Parikrama school							
		centre line							
0	45		sqm	0.5	45.00	0.15		3.38	✓
		c/s road behind Parikrama school							
		centre line							
0	150		sqm	0.5	150.00	0.15		11.25	✓
		K.M.Narayanappa layout 1 cross							
		centre line							
0	103.7		sqm	0.5	103.70	0.15		7.78	✓
		K.M.Narayanappa layout 2 cross							
		centre line							
0	96.5		sqm	0.5	96.50	0.15		7.24	✓
							TOTAL	**41.57**	✓

KBR INFRATECH LIMITED BANGALORE
Contractor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer 2/8

Assistant Executive Engineer
Kodigehalli Sub Division